

(No Model.)

A. I. DEAL.

TABLE ATTACHMENT FOR ARTICLES OF FURNITURE.

No. 550,443.

Patented Nov. 26, 1895

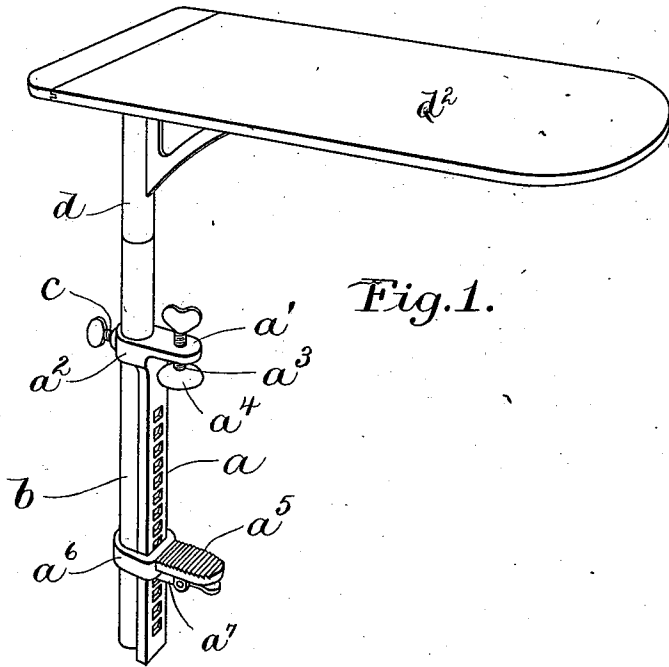


Fig. 1.

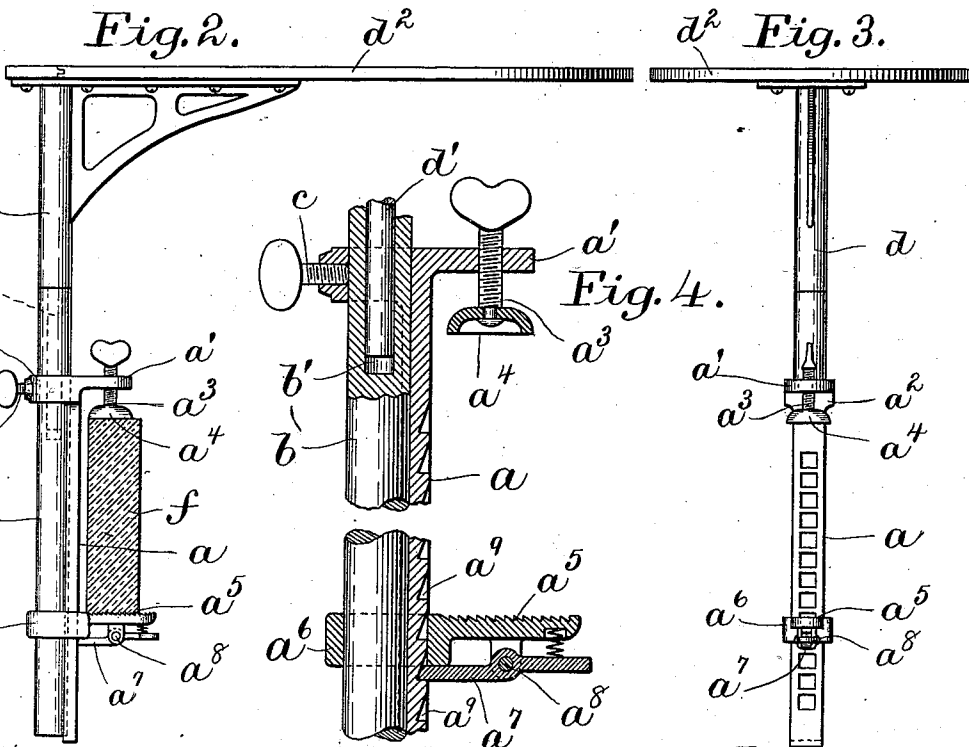


Fig. 2.

Fig. 3.

Fig. 4.

Witnesses:
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Inventor:
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Atty

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TABLE ATTACHMENT FOR ARTICLES OF FURNITURE

SPECIFICATION forming part of Letters Patent No. 550,443, dated November 26, 1895.

Application filed May 9, 1895. Serial No. 548,671. (No model.)

To all whom it may concern:

Be it known that I, ANNIE I. DEAL, of Winthrop, in the county of Suffolk and State of Massachusetts, have invented a certain new and useful Improved Table Attachment for Articles of Furniture, of which the following is a specification.

This invention has for its object to provide a table adapted to be quickly applied to articles of furniture of various forms, such as bedsteads, chairs, &c., my invention having especial reference to the provision of means for quickly adapting the attachment to the variations of form which exist between, for example, a bedstead and a chair, so that the attachment can be applied with equal facility to either.

The invention consists in the several improvements which I will now proceed to describe and claim.

Of the accompanying drawings, forming a part of this specification, Figure 1 represents a perspective view of my improved attachment. Fig. 2 represents a side elevation of the same, showing it applied to one of the side rails or bars of a bedstead. Fig. 3 represents an end view. Fig. 4 represents a sectional view, on a larger scale, of parts of the attachment.

The same letters of reference indicate the same parts in all the figures.

In carrying out my invention I provide a clamp of such construction that it can be applied to articles of widely-varying form—such as beds, chairs, &c. Said clamp, as here shown, comprises, first, a vertical bar a , having at its upper end an arm a' projecting from one side and a socket a^2 projecting from the opposite side; secondly, a clamping-screw a^3 , engaged with the arm a' , and having a clamping-head a^4 below said arm, and, thirdly, a clamping-arm a^5 , formed upon a socket a^6 , that embraces and is vertically movable upon the bar a , said arm a^5 having suitable means for quickly engaging it with and disengaging it from the bar, so that it may be moved quickly along the bar to locate it at any desired distance from the clamping-screw a^3 . The means here shown for engaging the clamping-arm a^5 with the bar comprise a spring-pressed dog a^7 , pivoted at a^8 to ears on the arm a^5 , and ratchet-teeth or recesses a^9 , formed in the outer side

of the bar a , and adapted to engage said dog and hold the latter with the arm a^5 at various heights upon the bar.

b represents a cylindrical standard which is fitted to slide vertically in the sockets a^2 a^6 beside the bar a and is held at any point to which it may be adjusted in said sockets by a set-screw c engaged with the socket a^2 .

d represents a bracket which is provided with a downwardly-projecting stud or extension d' , formed to enter and rotate in a socket b' in the standard b . To the upper end of said bracket is affixed a table d^2 , which may be of any suitable form, and may extend in any desired direction or directions from the bracket.

It will be seen that when the clamp is engaged with a support such as the side rail f of a bedstead, as shown in Fig. 2 the standard b may be adjusted to support the table d^2 at any desired height within the range of adjustment of the standard above the bedstead, while the rotative connection of the bracket d with the standard enables the table to swing freely, so as to project in any desired direction. The table may, therefore, be caused to extend over the bedstead or may be swung away by the occupant of the bed when not required for use. The quick adjustability of the arm a^5 and the long range of its adjustability afforded by the bar a enables the attachment to be quickly applied to any ordinary article of furniture, such as a chair or table, as well as to a bedstead.

I do not limit myself to the described details of construction, particularly of the clamp, and may employ any clamp which has a sufficiently-quick adjustment and sufficiently-extended range of adjustment to adapt the adjustment to the different articles of furniture on which its use is liable to be required.

It will be observed that the arm a' , carrying the clamping-screw a^3 , and the socket a^2 , carrying the set-screw c , are located at the upper end of the bar a , so that the bar may first be engaged with the standard b and the whole brought to a bearing on the rail of the bedstead by placing the screw a^3 on the upper edge of the rail, so that the weight of the attachment is supported by the rail while the operator adjusts the arm a^5 to the lower edge of the rail. It will also be observed that the

lower arm a^5 and socket a^6 are formed in one piece and are adjustable together on the bar a and standard b , the standard co-operating with the socket a^6 in guiding the arm a^5 and
 5 keeping it at right angles with the bar a , so that the arm a^5 is firmly supported in any position to which it may be adjusted and cannot tip or be inclined from said position.

I claim—

10 In an appliance of the character specified the combination of the elongated bar, a , having at one end an arm, a' , projecting from one side of the bar, and a socket, a^2 , projecting from the opposite side of the bar, said socket
 15 having a set screw, c , the clamping screw, a^3 , engaged with said arm, the standard, b , adjustable in said socket and secured therein by the set screw, c , the clamping arm, a^5 , and socket, a^6 formed in one piece and movable

together on the bar, a , and standard, b , the
 20 arm, a^5 , being in line with the screw, a^3 , while the socket, a^6 , is in line with the socket, a^2 , and closely fits the standard, and means for securing the clamping arm, a^5 , and socket, a^6 ,
 25 to the bar and standard in any position to which said arm and socket may be adjusted, the standard and bar cooperating with the socket a^6 , in holding the arm, a^5 , at right angles with the bar.

In testimony whereof I have signed my
 30 name to this specification, in the presence of two subscribing witnesses, this 13th day of April, A. D. 1895.

ANNIE I. DEAL.

Witnesses:

C. F. BROWN,
 A. D. HARRISON.